

2027

Positron Emission Tomography Scanner Need Projection

Health Planning Area	2027 Projected Population ¹	Sum of Projected Cancer Cases ²	Projected number of cancer patients that may benefit from scan ³	Projected number of PET patients ⁴	Projected number of PET units needed statewide per HPA ⁵	Existing and Approved PET/CT Units ⁶	Projected Unmet Need (Deficit) or Surplus ⁷	Unmet Need (Type Unit Allowed) ⁷	Aggregate Utilization ⁸
HPA 01	803,381	3,720	1,860	2,604	0.95	3.71	2.7600	No Units Needed	37.5%
HPA 02	542,737	2,693	1,346	1,885	0.69	2.14	1.4570	No Units Needed	48.3%
HPA 03	6,176,135	28,986	14,493	20,290	7.38	18.88	11.5013	No Units Needed	56.8%
HPA 04	601,938	2,906	1,453	2,034	0.74	1.13	0.3864	No Units Needed	99.6%
HPA 05	582,897	2,830	1,415	1,981	0.72	2.29	1.5647	No Units Needed	69.0%
HPA 06	540,350	2,614	1,307	1,830	0.67	2.27	1.6059	No Units Needed	47.6%
HPA 07	511,470	2,353	1,177	1,647	0.60	1.28	0.6805	No Units Needed	78.8%
HPA 08	352,592	1,651	825	1,156	0.42	1.31	0.8907	No Units Needed	41.7%
HPA 09	148,224	620	310	434	0.16	0.27	0.1106	No Units Needed	53.5%
HPA 10	667,195	2,968	1,484	2,078	0.76	3.27	2.5102	No Units Needed	38.7%
HPA 11	340,856	1,633	817	1,143	0.42	2.07	1.6556	No Units Needed	36.5%
HPA 12	268,463	1,271	636	890	0.32	1.14	0.8189	No Units Needed	52.0%
HPA 13	388,296	1,786	893	1,250	0.45	1.16	0.7016	No Units Needed	70.5%
	11,924,534	56,030	28,015	39,221	14.26	40.91			53.9%

Notes and Sources:

¹ 2027 Resident Projected Population, Georgia Governor's Office of Planning and Budget, 4/1/2021 Release

² Projected cancer cases is determined by applying the most recent cancer incidence rates to the horizon year population. From "Age-Adjusted Cancer Incidence Rates per 100,000 (2015-2019)" reported by the Georgia Comprehensive Cancer Registry; Georgia Department of Public Health (<http://dph.georgia.gov/cancer-reports>); released 2021.

³ Projected cancer cases who may benefit from PET scans is 50% of the projected number of cancer cases.

⁴ The projected number of PET scan patients is determined using the actual ratio of Oncology to Non-Oncology PET scans from the most recent 2 years.

⁵ The number of PET scan units projected by HPA is determined by using an optimal utilization standard of 2,750 scans per unit per year. Projected number of PET patients is divided by 2,750.

⁶ Total Existing PET/CT scanner units reported. Mobile units allocated by HPA as reported.

⁷ Projected unmet need is from the sum of the existing and approved PET scanners less the projected number of PET scan units in the horizon year. Where the projected unmet need is greater than -75.0% a fixed unit is allowed. If projected unmet need is greater than -3.2875% but less than -75.0% a mobile site is allowed.

⁸ Aggregate utilization based on survey data for all units that were operational during 2021. Calculated by dividing the actual total number of scans by the capacity number of scans as if the available units were operating at optimal utilization. Aggregate utilization must be at or above 80% before new units will be approved.